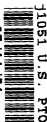


05/11/01



11051 U.S. PTO

Please type a sign (+) inside this box

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PTO/SB/05 (#6-00)

Approved for use through 10/31/2002. OMFB 0651-005

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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659558-60



10/11/90

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. P2003P4

First Inventor Ruben et al.

Title 28 Human Secreted Proteins

Express Mail Label No.

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original, and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 393]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claims
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets]
5. ☒ Unexecuted Oath or Declaration [Total Pages 4]
 - a. ☐ Newly executed (original or copy)
 - ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76.

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)
 - a. ☒ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☒ paper
 - c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet and document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement/ Form PTO/SB/08
☐ Copies of Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(should be specifically itemized)
15. ☐ Certified copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Other.

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-Part (CIP) of prior application No. 09/152,060 filed 9/11/1998

Prior application information: Examiner Group/Art Unit:

For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

22195

or ☐ Correspondence address below

NAME

ADDRESS

CITY

STATE

ZIP CODE

COUNTRY

TELEPHONE

FAX

NAME (Print/Type)

Kenley K. Hoover

Registration No. (Attorney/Agent) 40,302

SIGNATURE

Date May 11, 2001

† Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**FEE TRANSMITTAL
for FY 2001***Patent fees are subject to annual revision.***Complete if Known**

Application Number	Unassigned
Filing Date	May 11, 2001
First Named Inventor	Ruben et al.
Examiner Name	
Group Art Unit	
Total amount of payment	(\$844.00)
Attorney Docket Number	FZ003P4

METHOD OF PAYMENT (CHECK ONE)1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to.Deposit Account **08-3425**Number
Deposit Account **Human Genome Sciences, Inc.**
Name☒ Charge Any Additional Fee Required
Under 37 CFR §§ 1.16 and 1.17☐ Applicant claims small entity status

See 37 CFR 1.27

☐ Payment Enclosed:☐ Check ☐ Credit Card ☐ Money Order ☒ Other*

*Charge any deficiencies or credit any overpayments on the fee or fee calculations of Parts 1, 2 and 3 below to Deposit Account No. 08-3425

FEE CALCULATION

1. BASIC FILING FEE					
Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description	Fee Paid
101	710	201	355	Utility filing fee	\$710.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
Subtotal (1)					\$710.00

2. EXTRA CLAIM FEES

	Total claims	Extra	Fee from below	Fee Paid
	23	- 20**	3	\$54.00
Indep. claims	4	- 3**	1	\$80.00
Multiple				\$
Dependent				

Large Fee Code	Entity (\$)	Small Fee Code	Entity (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim
108	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

Subtotal (2) **(\$844.00)****FEE CALCULATION (CONTINUED)****3. ADDITIONAL FEES**

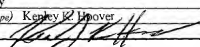
Large Entity Fee Code	Small Entity Fee Code	Fee Description	Fee Paid
105	130	205	65
127	50	227	25
139	130	139	130
147	2,520	147	2,520
112	920	112	920
113	1,840	113	1,840
115	110	215	55
116	390	216	195
117	890	217	445
118	1,390	218	695
128	1,890	228	945
119	310	219	155
120	310	220	155
121	270	221	135
138	1,510	138	1,510
140	110	240	55
141	1,240	241	620
142	1,240	242	620
143	440	243	220
144	600	244	300
122	130	122	130
123	50	123	50
126	240	126	240
381	40	481	40
146	710	246	355
149	710	249	355
179	710	279	355
169	190	169	900

Other fee (specify):

Other fee (specify):

*Reduced by Basic Filing Fee Paid

Subtotal (3)**\$**

Submitted By		Complete (if applicable)	
Name (Print/Type)	Kenneth E. Hoover	Registration No.	40,302
Signature:		Telephone	301-309-8504
		Date	May 11, 2001

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Ruben et al.

Application Serial No.: Not assigned

Art Unit: Not assigned

Filed: Concurrently herewith

Examiner: Not assigned

For: 28 Human Secreted Proteins

Attorney Docket No.: PZ003P4

STATEMENT UNDER 37 C.F.R. 1.821(f)

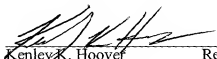
Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants hereby certify that the hard copy of the sequence listing being filed concurrently herewith and the enclosed computer-readable form of such sequence listing are identical.

Respectfully submitted,

Date: May 11, 2001


~~Kenley K. Hoover~~
Attorney for Applicants

Reg. No. 40,302

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, Maryland 20850
Telephone: (301) 610-5771

KKH/SA/ur